



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

July 7, 2016

Liliana Wilson
Advanced Compliance Specialist
Zep, Inc.
1310 Seaboard Industrial Blvd
Atlanta, GA 30318

Subject: Notification per PRN 98-10 – Minor corrections to label and addition of an alternative EPA establishment
Product Name: Zep FS Formula 12167 Chlorinated Disinfectant and Germicide
EPA Registration Number: 1270-20004
Application Date: May 6, 2016
Decision Number: 517532

Dear Ms. Wilson:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division (AD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10. The label submitted with the application has been stamped “Notification” and will be placed in our records.

In addition, this letter serves as notice that the current label contains statements and/or images that were inadvertently approved by the Agency during its previous review. Please submit a revised label amendment addressing the inadvertently approved items below within 60 days of receipt of this letter.

- Fog method - If the company does not have data to support the fogging claims, then it must be removed from the label.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

The CSFs submitted with your application have been stamped “Notification” and placed in our files.

Please note that the record for this product currently contains the following CSFs:

- Basic CSF dated 5/6/2016

Any CSFs other than those listed above are superseded/no longer valid.

If you have any questions, you may contact Donna Kamarei at (703)347-0443 or via email at Kamarei.donna@epa.gov.

Sincerely,


Demson Fuller
Product Manager – Team 32
Regulatory Management Branch II
Antimicrobials Division (7510P)

Enclosure: Stamped Label

BEFORE USING THIS PRODUCT, PLEASE READ THIS ENTIRE LABEL

ZEP FS FORMULA 12167™ CHLORINATED DISINFECTANT AND GERMICIDE

ACTIVE INGREDIENT:

Sodium Hypochlorite 5.25%

OTHER INGREDIENTS:..... 94.75%

TOTAL..... 100.00%

NOTIFICATION

1270-20004

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

07/07/2016

KEEP OUT OF REACH OF CHILDREN DANGER

See [left][side][right][back] panel for Precautionary Statements and First Aid

Net Contents: [1 US Gal (3.78 L)] [5 Gallons] [55 Gallons] [275 Gallons]

{Back Panel}

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive, may cause severe skin and eye irritation or chemical burns to broken skin. Causes eye damage. Wear safety glasses or goggles and rubber gloves when handling this product. Wash after handling. Avoid breathing vapors. Vacate poorly-ventilated areas as soon as possible. Do not return until strong odors have dissipated.

FIRST AID

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF IN EYES: Hold eye open & rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then, continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then, give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-541-2016 for emergency medical treatment information.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS

STRONG OXIDIZING AGENT: Mix only with water, according to label directions. Mixing this product with chemicals (e.g. ammonia, acids, detergents, etc.) or organic matter (e.g. urine, feces, etc.) will release chlorine gas, which is irritating to eyes, lungs and mucous membranes.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

NOTE: This product degrades with age. Use a chlorine test kit and increase dosage, as necessary, to obtain the required level of chlorine.

FOOD EGG SANITIZATION IN POULTRY PROCESSING PLANTS

Thoroughly clean all eggs. Thoroughly mix 5 oz. of this product with 10 gallons of warm water to produce a 200 ppm available chlorine solution. The sanitizer temperature should not exceed 130°F (54°C). Spray the warm sanitizer so that the eggs are thoroughly wetted. Allow the eggs to thoroughly dry before casing or breaking. Do not apply potable water rinse. The solution should not be reused to sanitize eggs.

SANITIZATION OF NON-POROUS FOOD CONTACT SURFACES

SURFACES SUCH AS PROCESSING EQUIPMENT, DAIRY EQUIPMENT, FOOD UTENSILS, DISHES, SILVERWARE, GLASSES, SINK TOPS, COUNTER TOPS, REFRIGERATED STORAGE AND DISPLAY EQUIPMENT AND OTHER NON-POROUS SURFACES IN CANNERIES, MEAT PACKING PLANTS, DAIRIES AND OTHER FOOD INDUSTRIES:

RINSE METHOD: A solution of 100 ppm available chlorine may be used in the sanitizing solution, if a chlorine test kit is available. Solutions containing an initial concentration of 100 ppm available chlorine must be tested and adjusted periodically to insure that the available chlorine does not drop below 50 ppm. Prepare a 100 ppm sanitizing solution by thoroughly mixing 2 ½ oz. of this product with 10 gallons of water. If no test kit is available, prepare a sanitizing solution by thoroughly mixing 5 oz. of this product with 10 gallons of water, to provide approximately 200 ppm available chlorine by weight. Clean equipment surfaces in the normal manner. Prior to use, rinse all surfaces thoroughly with the sanitizing solution, maintain contact with the sanitizer for at least 2 minutes. If solution contains less than 50 ppm available chlorine, as determined by a suitable test kit, either discard the solution or add sufficient product to reestablish a 200 ppm residual. Do not rinse equipment with water after treatment and do not soak equipment overnight. Sanitizers used in automated systems may be used for general cleaning but may not be reused for sanitizing purposes.

IMMERSION METHOD: A solution of 100 ppm available chlorine may be used in the sanitizing solution if a chlorine test kit is available. Solutions containing an initial concentration of 100 ppm available chlorine must be tested and adjusted periodically to insure that the available chlorine does not drop below 50 ppm. Prepare a 100 ppm sanitizing solution by thoroughly mixing 2 ½ oz. of this product with 10 gallons of water. If no test kit is available, prepare a sanitizing solution by thoroughly mixing 5 oz. of this product with 10 gallons of water, to provide approximately 200 ppm available chlorine by weight. Clean equipment in the normal manner. Prior to use, immerse equipment in the sanitizing solution for at least 2 minutes and allow the sanitizer to drain. If solution contains less than 50 ppm available chlorine, as determined by a suitable test kit, either discard the solution or add sufficient product to reestablish a 200 ppm residual. Do not rinse equipment with water after treatment.

Sanitizers used in automated systems may be used for general cleaning, but may not be reused for sanitizing purposes.

SANITIZATION OF POROUS FOOD CONTACT SURFACES

SUCH AS CUTTING BLOCKS, WOOD-TOP TABLES, STEAM TABLE BOARDS AND OTHER POROUS SURFACES:

RINSE METHOD: Prepare a sanitizing solution by thoroughly mixing 15 oz. of this product with 10 gallons of water, to provide approximately 600 ppm available chlorine by weight. Clean surfaces in the normal manner. Prior to use, rinse all surfaces thoroughly with the sanitizing solution, maintaining contact with the sanitizer for at least 2 minutes. Rinse equipment with water after treatment and do not soak equipment overnight.

SPRAY/FOG METHOD: Preclean all surfaces after use. Prepare a 600 ppm available chlorine sanitizing solution of sufficient size by thoroughly mixing the product in a ratio of 15 oz. product with 10 gallons of water. Use spray or fogging equipment which can resist hypochlorite solutions. Always empty and rinse spray/fog equipment with potable water after use. Thoroughly spray or fog all surfaces until wet, allowing excess sanitizer to drain. Vacate area for at least 2 hours. Prior to using equipment, rinse all surfaces with a 200 ppm available chlorine solution. Prepare a 200 ppm sanitizing solution by thoroughly mixing 5 oz. of this product with 10 gallons of water.

DISINFECTION OF SURFACES NON-FOOD CONTACT SURFACES

SUCH AS CONCRETE FLOORS, TILED WALLS AND OTHER NON-POROUS, IN MEAT AND POULTRY PROCESSING

PLANTS: RINSE METHOD: Prepare a disinfecting solution by thoroughly mixing 15 oz. of this product with 10 gallons of water, to provide approximately 600 ppm available chlorine by weight. Clean equipment surfaces in the normal manner. Prior to use, rinse all surfaces thoroughly with the disinfecting solution, maintaining contact with the solution for at least 10 minutes. Do not rinse equipment with water after treatment and do not soak equipment overnight.

COMMERCIAL LAUNDRY SANITIZERS

Wet fabrics or clothes should be spun dry prior to sanitization. Thoroughly mix 5 oz. of this product with 10 gallons of water, to yield 200 ppm available chlorine. Promptly after mixing the sanitizer, add the solution into the prewash, prior to washing fabrics/clothes in the regular wash cycle with a good detergent. Test the level of available chlorine, if solution has been allowed to stand. Add more of this product if the available chlorine level has dropped below 200 ppm.

COOLING TOWER/EVAPORATIVE CONDENSER WATER

SLUG FEED METHOD: Initial Dose: When system is noticeably fouled, apply 128 to 256 oz. of this product per 10,000 gallons of water in the system to obtain from 5 to 10 ppm available chlorine. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 25 oz. of this product per 10,000 gallons of water in the system

daily, or as needed to maintain control and keep the chlorine residual at 1 ppm. Badly-fouled systems must be cleaned before treatment is begun.

INTERMITTANT FEED METHOD: Initial Dose: When system is noticeably fouled, apply 128 to 256 oz. of this product per 10,000 gallons of water in the system to obtain 5 to 10 ppm available chlorine. Apply half (or 1/3, 1/4, or 1/5) of this initial dose when half (or 1/3, 1/4, or 1/5) of the water in the system has been lost by blow down. Subsequent Dose: When microbial control is evident, add 25 oz. of this product per 10,000 gallons of water in the system to obtain a 1 ppm residual. Apply half (or 1/3, 1/4, or 1/5) of this initial dose when half (or 1/3, 1/4, or 1/5) of the water in the system has been lost by blow down. Badly-fouled systems must be cleaned before treatment is begun.

CONTINUOUS FEED METHOD: Initial Dose: When system is noticeably fouled, apply 128 to 256 oz. of this product per 10,000 gallons of water in the system to obtain 5 to 10 ppm available chlorine. Subsequent Dose: Maintain this treatment level by starting a continuous feed of 2 ½ oz. of this product per 1,000 gallons of water lost by blow down to maintain a 1 ppm residual. Badly-fouled systems must be cleaned before treatment is begun.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

PESTICIDE STORAGE: Store in a cool, dry area, away from direct sunlight and heat to avoid deterioration. In case of spill, flood areas with large quantities of water.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse container promptly after emptying. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by incineration.

(Note to reviewer. One or both of the following statements will be used, when both statements are used, the text within the brackets is required.)

[5 GALLON CONTAINERS [OR LESS] –] Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank and store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

[CONTAINERS GREATER THAN 5 GALLONS –] Triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank and store rinsate for later use or disposal. Repeat this procedure two more times.

FOR INDUSTRIAL AND INSTITUTIONAL USE ONLY NOT FOR HOUSEHOLD USE OR RESALE

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicado ampliamente. **(TO THE USER:** If you cannot read English, do not use this product until the label has been fully explained to you.)

EPA REG. NO. 1270-20004

EPA EST. NO. 1270-GA-1 [(1) or 1270-TX-1 (2)]

EPA Est. No. 40849-GA-1 (E)

[Postscript is first letter or number of batch code on container]

[Made in USA by:]

Zep, Inc.

1310 Seaboard Industrial Blvd.

Atlanta, GA 30318

[CLEAN ACROSS AMERICA AND THROUGHOUT THE WORLD™]

[[www.\[url\].com](http://www.[url].com)]

[Company Logo]

[This product is designed exclusively for industrial and institutional use by trained, professional maintenance personnel. Label directions and precautions must be followed exactly. Zep Inc will not be responsible for any injury, loss or damage if product is used in any manner not in compliance with label directions, or if precautions are not observed.]

(Note to reviewer: Language in [] is optional or interchangeable)